

guiding the X-rays, which emerge from said tooth and its surrounding area, in substantially cylindrical rods substantially along the axis of said rods,  
transforming the X-rays, when they are guided in said cylindrical rods,  
into light rays of a greater wavelength than that of the X-rays,  
guiding said light rays into a bundle of optical fibres,  
converting these light rays into electrical signals, and  
processing these electrical signals to produce said radiographic image.